## DATA SHEET

Three Phase Induction Motor - Squirrel Cage

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## Customer

Product line		21 Explosi		IEMA Premiu	m F	Product code :	14407169	
Frame:Output:Poles:Frequency:Rated voltage:Rated current:L. R. Amperes:LRC:No load current:Rated speed:Slip:Rated torque:Locked rotor torque:Breakdown torque:Insulation class:Service factor:Moment of inertia (J):		: 25 H : 4 : 60 H : 5755 : 23.6 : 146 : 6.2) : 8.80 : 177 : 1.65 : 10.3 : 240 : 270 : F : 1.15	60 Hz 575 V 23.6 A 146 A 6.2x(Code G) 8.80 A 1770 rpm 1.67 % 10.3 kgfm 240 % 270 % F 1.15 0.1914 kgm <sup>2</sup>		Locked rotor time Temperature rise Duty cycle Ambient temperature Altitude Protection degree Cooling method Mounting Rotation <sup>1</sup> Noise level <sup>2</sup> Starting method Approx. weight <sup>3</sup>		: 36s (cold) 20s (hot) : 105 K : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP55 : IC411 - TEFC : F-1 : Both (CW and CCW) : 68.0 dB(A) : Direct On Line : 200 kg	
-	25%	50%	75%	100%	Foundatio	n loads		
Output Efficiency (%)	<u>25%</u> 91.7	92.4	93.0	93.6	Max. tract		: 296 kgf	
Power Factor	0.45	92.4 0.70	0.80	0.84	Max. com		: 495 kgf	
Lubrication inter- Lubricant amour Lubricant type		:		)000 h 18 g		20000 h 11 g		
Notes:				Мо	bil Polyrex I			
This revision repl must be eliminate (1) Looking the m (2) Measured at 7 (3) Approximate v manufacturing pro-	ed. notor from 1m and wif weight sub ocess.	the shaft e th toleranc	end. e of +3dB(	one, which A).	These are	EM e average values	s based on tests w ne tolerances stipu	
Notes: This revision repl must be eliminate (1) Looking the m (2) Measured at 7 (3) Approximate v manufacturing pr (4) At 100% of fu Rev.	ed. notor from 1m and wif weight sub ocess.	the shaft e th toleranc oject to cha	end. e of +3dB(	one, which A).	These are power su	EM e average values		
This revision repl must be eliminate (1) Looking the m (2) Measured at 7 (3) Approximate manufacturing pr (4) At 100% of fu	ed. notor from 1m and wif weight sub ocess.	the shaft e th toleranc oject to cha	end. e of +3dB( anges after	one, which A).	These are power su	EM	ne tolerances stipu	ulated in NEMA
This revision repl must be eliminate (1) Looking the m (2) Measured at 7 (3) Approximate manufacturing pr (4) At 100% of fu	ed. notor from 1m and wif weight sub ocess.	the shaft e th toleranc oject to cha	end. e of +3dB( anges after	one, which A).	These are power su	EM	ne tolerances stipu	ulated in NEMA
This revision repl must be eliminate (1) Looking the m (2) Measured at 2 (3) Approximate v manufacturing pr (4) At 100% of fu Rev.	ed. notor from 1m and wif weight sub ocess.	the shaft e th toleranc oject to cha	end. e of +3dB( anges after	one, which A).	These are power su	EM	ne tolerances stipu	ulated in NEMA

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ID	Application	Туре	Quantity	Sensing	Temperature
1	Winding		1 x Phase	1	55 °C
1	Winding	Thermostat - 2 wires	1 x Phase	1	55 °C
Rev.	Changes	s Summary	Performed	Checked	Date
erformed by Checked by				Page	Revision

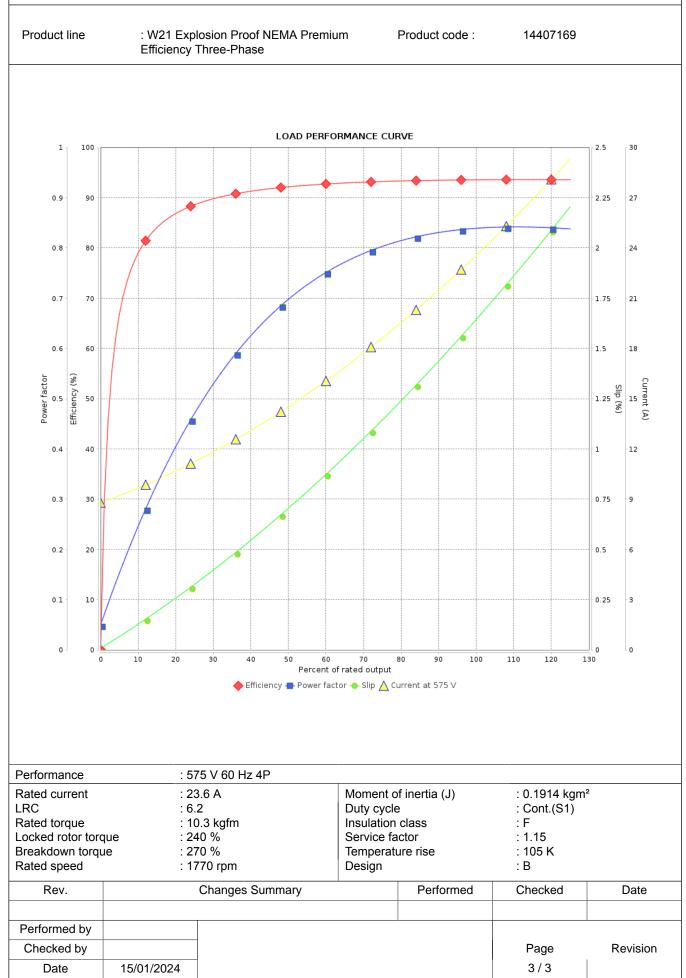


## LOAD PERFORMANCE CURVE

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Customer



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